

LUMINAIRE POLE

1" (IN) HEAVY HEX NUT (TYP.)

PLATE WASHER (TYP.) ~ SEE STD. PLAN J-28.42

2 POLE BASE PLATE

BAND (TYP.)

LOCK WASHER (TYP.)

1" (IN) DIAM. HEAVY HEX BOLT (TYP.)

ELBOW

TAP FOR BOLT (TYP.)

1.00 - 8 UNC x  
(ASTM A325 OR  
TWO PLATE W/  
GALVANIZED A

3/4"  
"F.  
DI  
PL  
FL

LUMINAIRE POLE

POLE BASE PLATE

1 1/2" MAX.

1 5/8"

3/4"

10"

TYP. 5/16 1/4

10 3/4" (IN) O.D. x 0.365 WALL ~  
ELDED ELBOW (ASTM A234 GR. WPB)

10.75" O.D.

10" R.

1/2" (IN) DIAM.  
WEEP HOLE

7/16"

3/4"

10"

1 1/2"

1 5/8"

SEE CONTRACT PLAN FOR SLOPE  
OF PARAPET FACE.

SEE **STANDARD PLAN J-28.50** FOR  
POLE BASE PLATE REQUIREMENTS.

3" x 8" (IN) LONG BOLT THREADED FULL LENGTH OR F1554 GR. 105) WITH TWO HEAVY HEX NUTS, WASHERS, AND A ROUND WASHER (TYP.)  
ED AASHTO M 232)

3/16" (IN) THICK PREFORMED  
"FABREEKA" FABRIC PAD WITH 5" (IN)  
DIAM. HOLE ~ CEMENT TO FLANGE  
PLATE AND TRIM OUTSIDE EDGE  
FLUSH

**NOTES**

1. Galvanneal Steel  
AASHTO M 288
2. See Standard Specification for  
Steel Deck Plates and  
Flanges
3. The precast concrete  
slab shall be  
installed  
flush with the  
Barrier

1' - 3"

5" (TYP.)

5" (TYP.)

1 1/4" (IN) DIA. HOLE (TYP.)

3 1/2" (17")

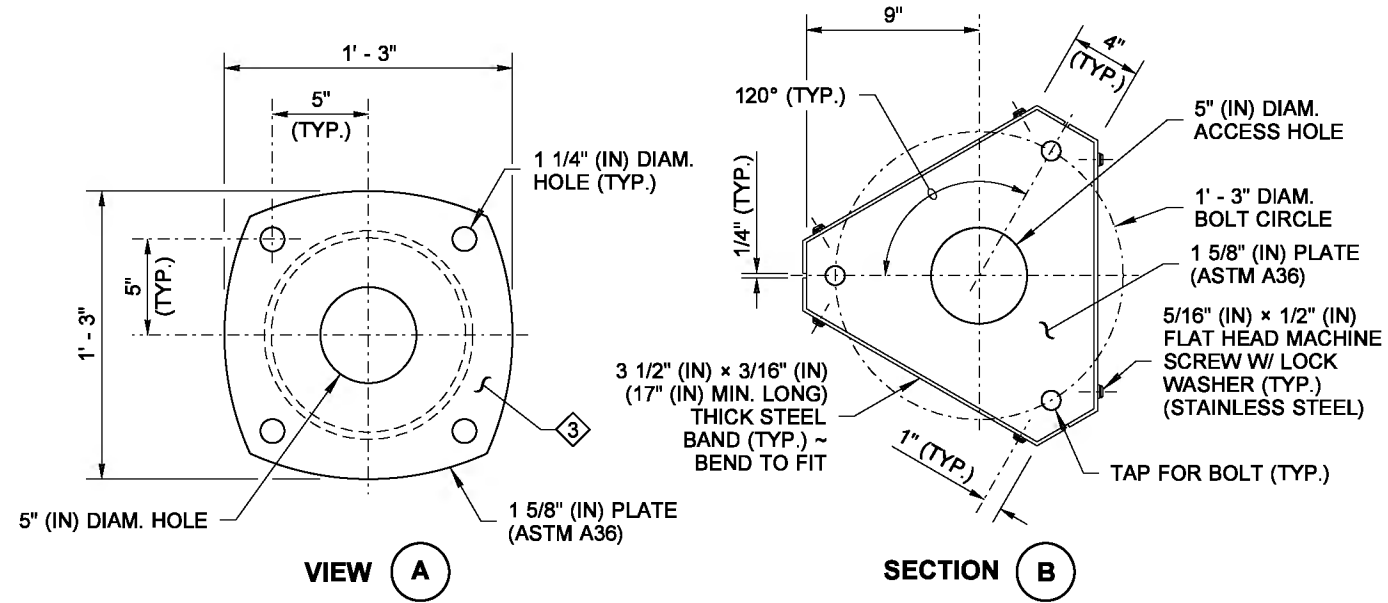
5" (IN) DIA. HOLE

1 5/8" (IN) PLATE (ASTM A36)

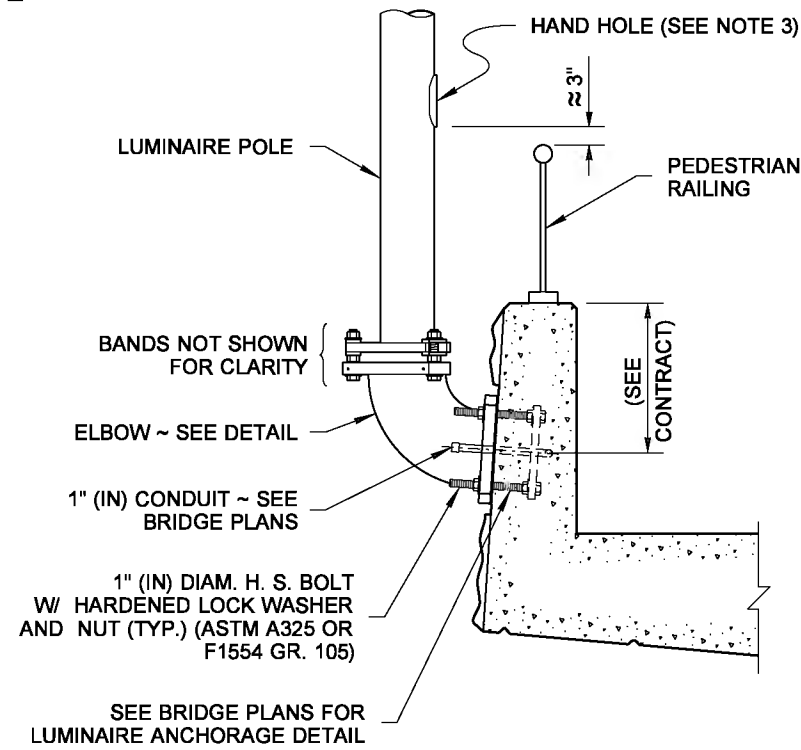
**VIEW A**

3 THE FACE SHALL BE PLANE AFTER FABRICATION, TO PROVIDE A SEAL BETWEEN THE BARRIER AND THE FLOW

1. Galvanize the Elbow Assembly after fabrication according to AASHTO M 111.
2. See **Standard Plan J-28.50** for Pole Base and Hand Hole details.
3. The presence of pedestrian railing shall be verified prior to light standard fabrication. When pedestrian railing is present or to be installed, locate hand hole as detailed in the Bridge Pedestrian Barrier details.



FOR LUMINAIRE POLES WITH SINGLE MAST ARM 12' - 0" OR LESS AND  
DOUBLE MAST ARMS 8' - 0" OR LESS, MOUNTED ON BRIDGE OR RETAINING WALLS.



FOR LUMINAIRE POLES WITH SINGLE MAST ARMS

DOUBLE MAST ARMS 8' - 0" OR LESS, MOUNTED ON

HAND HOLE

LUMINAIRE POLE

BANDS NOT SHOWN FOR CLARITY

ELBOW ~ SEE DETAIL

1" (IN) CONDUIT ~ SEE BRIDGE PLANS

1" (IN) DIAM. H. S. BOLT W/ HARDENED LOCK WASHER AND NUT (TYP.) (ASTM A325 OR F1554 GR. 105)

SEE BRIDGE PLANS FOR LUMINAIRE ANCHORAGE DETAIL

2' 3"

(SEE CONTRACT)

12 - 0' OR LESS AND  
 BRIDGE OR RETAINING WALLS.

LUMINAIRE POLE  
 HAND HOLE  
 2' 3"  
 BANDS NOT SHOWN FOR CLARITY  
 ELBOW ~ SEE DETAIL  
 1" (IN) CONDUIT ~ SEE BRIDGE PLANS  
 1" (IN) DIAM. H. S. BOLT W/ HARDENED LOCK WASHER AND NUT (TYP.) (ASTM A325 OR F1554 BR. 105)  
 SEE BRIDGE PLANS FOR LUMINAIRE ANCHORAGE DETAIL  
 (SEE CONTRACT)

WHEN TRAFFIC BARRIER HEIGHT IS 42" (IN), MAINTAIN APPROX.  
HEIGHT FROM TOP OF BARRIER TO HAND HOLE SHOWN.



**STEEL LIGHT STANDARD  
ELBOW MOUNTING ON  
BRIDGE & RETAINING WALL  
STANDARD PLAN J-28.45-02**

**SHEET 1 OF 1 SHEET**

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER

**STATE DESIGN ENGINEER**  
 **Washington State Department of Transportation**